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Dated: 10/1/07

Signature:

*Robert R. Richardson*  
(Robert R. Richardson)

Docket No.: BA1-03-0687 (03-0687)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
John L. Vian et al.

Application No.: 10/750,294

Confirmation No.: 9179

Filed: December 30, 2003

Art Unit: 2856

For: METHODS AND SYSTEMS FOR  
ANALYZING ENGINE UNBALANCE  
CONDITIONS

Examiner: S. M. Shah

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated May 2, 2007, please amend the above-identified U.S. patent application as follows:

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 5 of this paper.

**Amendments to the Drawings** begin on page 11 of this paper and include an attached replacement sheet.

**Remarks/Arguments** begin on page 12 of this paper.

Application No. 10/750,294  
Amendment dated October 1, 2007  
Reply to Office Action of May 2, 2007

Docket No.: BA1-03-0687 (03-0687)

An **Appendix** including replacement drawing sheets is attached following page 16 of this paper.